

LAND APPLICATION SITE

EUGENE M HART JR. SITE

LUEMH 1-9

LUNENBURG COUNTY

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A This land application agreement is made on 7-5-13 between EUGENE M. HART, JR referred to here as "Landowner", and Recyc Systems, Inc, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in LUNenburg Co., Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>
TM 33(3), P 1			
TM 33(A), P 61	33-A-12		
TM 33(A), P 62	33-3-2		
TM 33(A), P 62A			
TM 33(A), P 63			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☐ The Landowner is the sole owner of the properties identified herein.
☒ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Eugene M Hart Jr
Landowner - Printed Name, Title

Eugene M Hart Jr
Signature

2570 Sandy Lane
Mailing Address & Phone Number

Victoria V. 23974
434 696 2919

Permittee:

Recyc Systems, Inc, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

[Signature]
Permittee - Authorized Representative
Printed Name

[Signature]
Signature

PO Box 562 Remington, Virginia 22734
Mailing Address

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc

County or City: LUNENBURG Co.

Landowner: EUGENE M. HART, JR.

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

- 1 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
- 2 Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols.
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
- 3 Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
- 4 Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days.
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
- 5 Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia.
- 6 Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Eugene M. Hart, Jr.
Landowner's Signature

7-5-13
Date

Eugene M. Hart, Jr.
Farm Operator Signature

2570 Sandy Lane, Victoria Va. 2391
Mailing Address & Phone Number

434 696 2919

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc

County or City: LUNENBURG CO.

Landowner: LINDA S. HART

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols.
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids.
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days.
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days:
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia.
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Linda S. Hart
Landowner's Signature

7/5/13
Date

Greg M. Hartsch
Farm Operator Signature

2570 Sandy Lane, Victoria Va. 22977
Mailing Address & Phone Number

434 696 2919

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 7-5-13 between LINDA S. HART referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in LUXEMBURG CO. Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>
<u>Tm33(3), P1</u>			
<u>Tm33(A), P61</u>	<u>33-A-12</u>		
<u>Tm33(A), P62A</u>	<u>33-3-2</u>		
<u>Tm33(A), P63</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☐ The Landowner is the sole owner of the properties identified herein.
☒ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Linda S Hart

Landowner - Printed Name, Title

Linda S Hart

Signature

2570 Sandy Lane

Mailing Address & Phone Number

Victoria VA 23974
434-696-2919

Permittee:

Recyc Systems, Inc. the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

[Signature]

Permittee - Authorized Representative
Printed Name

[Signature]

Signature

PO Box 562 Remington, Virginia 22734

Mailing Address

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on Oct 20, 2013 between ERNEST J. HUBBLE, JR. referred to here as "Landowner", and EXCELTA Recyc Systems, Inc., referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in LUNenburg COUNTY, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
033 030 2 -79.6 ACRES			
033 030 1A 2.9 ACRES			
033 0A0 12 5.1 ACRES			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

ERNEST J. HUBBLE, JR. EXECUTIVE

Landowner - Printed Name, Title

Signature

Est. Hubble
EXECUTIVE

1336 Canby Drive

Mailing Address & Phone Number

PO Box 61 24619
540-563-2323

Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☒ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

PO Box 562 Remington, Virginia 22734

Permittee - Authorized Representative
Printed Name

Signature

Mailing Address

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc County or City: Lunenburg
Landowner: Ernest Hubble Jr. executor

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Ernest Hubble Jr. - EXECUTOR
Landowner's Signature

10-20-13
Date

Farm Operator Signature

Mailing Address & Phone Number

Eugene M Hart Jr. Site
Lunenburg County

<u>Owner(s)</u>	<u>Tax Map and Parcel #</u>
Eugene M Hart Jr. 2570 Sandy Lane Victoria, Va. 23974 (434) 696 - 2919	TM - 33(A),P 62
Linda S. Hart 3 Eugene M. Hart Jr. 2570 Sandy Lane Victoria, VA. 23974 (434) 696-2919	TM33(3),P1 TM33(A),P61,62A,63
Ernest J Hubble Estate 1336 Carlos Dr. Roanoke, Va. 24019 (540) 563 - 2323	TM - 33 Parcels - (A) 12/ (3) 2

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee: Recyc Systems, Inc.Site Name: Eugene M. Hart, Jr.County or City: Lunenburg Co.

Please Print

Signature not required on this page

<u>Tax Parcel ID(s)</u>	<u>Landowners (s)</u>
TM33A,P62	Eugene M. Hart, Jr.
TM33(A), P61,62A,63 TM33(3),P1	Eugene M., Jr. & Linda S. Hart
TM33(A),P12 TM33(3),P2	Ernest J. Hubble c/o E.J. Hubble, Jr. Estate

FARM DATA SHEET

SITE NAME:	Eugene M. Hart Jr.	COUNTY:	Lunenburg
OWNER:	See Attached	OPERATOR:	Eugene M Hart Jr.
OWNER'S ADDRESS:	See Attached	OPERATOR'S ADDRESS:	2570 Sandy Lane Victoria Va. 23974
OWNER'S TELEPHONE:	See Attached	OPERATOR'S TELEPHONE:	(434) 696 – 2919
GENERAL FARM TYPE:	Hay/ Pasture	CELL PHONE:	(434) 321 – 3470
# CATTLE:	60 Head	EMAIL:	-----
LAGOON or SLURRY:	None	LATITUDE:	36° 58' 2" N
TOPO QUAD:	Kenbridge West	LONGITUDE:	78° 14' 44" W
COMMENTS:			

8

RECYC SYSTEMS, INC

FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/Shale	Surf/Leach	Freq Flood			
LUEMH 1	8.5	10B, 10C2 (Jan-Apr)	-	-	-	CU03	TM 33(A), P63	T2138 Field 1
LUEMH 2	10.7	10B (Jan-Apr)	-	-	-	CU03	TM 33(A), P62A	T3623 Fields 5,6,7
LUEMH 3	20.7	-	-	-	-	CU03	TM 33(A), P62	T2128 Fields 4,5
LUEMH 4	13.8	-	-	-	-	CM07	TM 33(A), P 62,63	T2128 Fields 2,3
LUEMH 5	10.4	-	-	-	-	CM07	TM 33(A), P62,63	T2128 Field 1
LUEMH 6	24.7	12C2 (Dec-Apr)	-	-	-	CM07	TM 33(3) P1,2 TM33(A) P12	T1277/T1278 Fields 4,5,6,7,8
LUEMH 7	12.7	12B (Dec-Apr)	-	-	-	CM07	TM 33(3), P 2	T1278 Field 7
LUEMH 8	12.3	12B, 12C2(Dec-Apr)	-	-	-	CM07	TM 33(3), P1	T1277 Field 5
LUEMH 9	22.6	12B, 12C2(Dec-Apr)	-	-	-	CM07	TM 33(3), P 22	T1278 Fields 1,2,3
TOTAL ACRES IN SITE	136.4							

Report Number: 12-090-0508

Account Number: 70594



www.allabs.com

A&L Eastern Laboratories

7621 Whiteplne Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Grower:

HART/LUEMH
LUNENBURG

Submitted By: DREW REYNOLDS

Farm ID:

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 03/30/2012

Date Of Analysis: 04/02/2012

Date Of Report: 04/03/2012

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus			Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Reserve Rate	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1	08926	2.3	L	88	99	H		55	VL	105	H	695	M			6.0	6.85	0.8	5.3
2	08927	4.0	M	120	206	VH		171	H	157	H	865	M			5.9	6.80	1.3	7.3
3	08928	3.6	M	113	182	VH		69	L	122	H	639	L			5.3	6.73	2.0	6.4
4	08929	3.5	M	112	151	VH		75	L	113	H	639	M			5.5	6.78	1.5	5.8
5	08930	4.0	M	121	126	VH		75	L	141	H	678	M			5.5	6.76	1.7	6.4

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm	S ppm	Zn ppm	Mn ppm	Fe ppm	Cu ppm	B ppm	SS ms/cm	Cl ppm	Al ppm
1	2.7	16.5	65.6		15.4										
2	6.0	17.9	59.2		17.2										
3	2.8	15.9	49.9		30.9										
4	3.3	16.2	55.1		25.9										
5	3.0	18.4	53.0		25.8										

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucic McGeary*

Paucic McGeary

Report Number: 12-090-0508

Account Number: 70594



A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
HART/LUEMH
LUNENBURG

Submitted By: DREW REYNOLDS
Farm ID:

Date Received: 03/30/2012

Date Of Report: 04/03/2012

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adjust pH to 6.8	0	1.3				0						
2	Adjust pH to 6.8	0	1.8				0						
3	Adjust pH to 6.8	0	2.3				0						
4	Adjust pH to 6.8	0	2.0				0						
5	Adjust pH to 6.8	0	2.0				0						

Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric McGroary

Report Number: 12-122-0616

Account Number: 70594



www.allabs.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBOR
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
EUGENE M HART JR

Submitted By: DREW REYNOLDS
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 05/01/2012

Date Of Analysis: 05/02/2012

Date Of Report: 05/03/2012

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rate	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
LUEMH6	17830	2.3	L 8	87	42	M			110	M	141	H	662	M			5.6	6.79	1.4	6.2
LUEMH7	17831	2.4	L 9	90	51	H			63	L	141	H	673	M			6.0	6.84	0.9	5.6
LUEMH8	17832	1.8	L 7	79	21	L			86	M	112	H	509	M			5.8	6.84	0.9	4.6
LUEMH9	17833	2.5	L 9	92	40	M			112	M	139	H	622	M			5.9	6.84	0.9	5.5

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate	Cl ppm Rate	Al ppm
LUEMH6	4.5	19.0	53.4		23.4										
LUEMH7	2.9	21.0	60.1		15.3										
LUEMH8	4.8	20.3	55.3		18.9										
LUEMH9	5.2	21.1	56.5		17.1										

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucic McGeary*

Paucic McGeary

Report Number: 12-122-0616

Account Number: 70594



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Grower:

EUGENE M HART JR

Submitted By: DREW REYNOLDS

Farm ID:

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Date Received: 05/01/2012

Date Of Report: 05/03/2012

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
LUEMH6	Adjust pH to 6.8	0	2.0				0						
LUEMH7	Adjust pH to 6.8	0	1.3				0						
LUEMH8	Adjust pH to 6.8	0	1.5				0						
LUEMH9	Adjust pH to 6.8	0	1.5				0						

Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

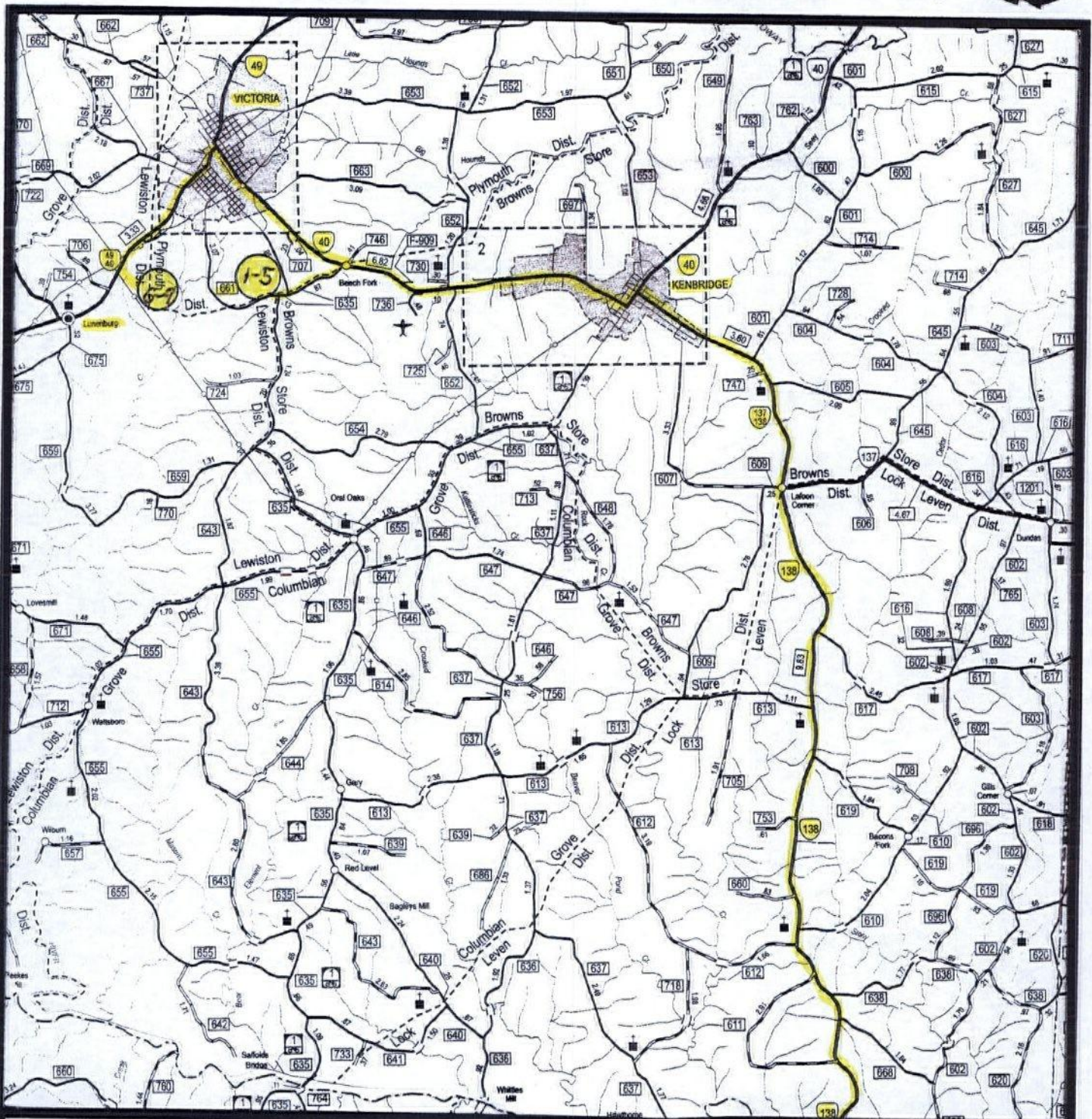
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Pauric McGroary

MAPS

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2 miles

LUEMH 1-9

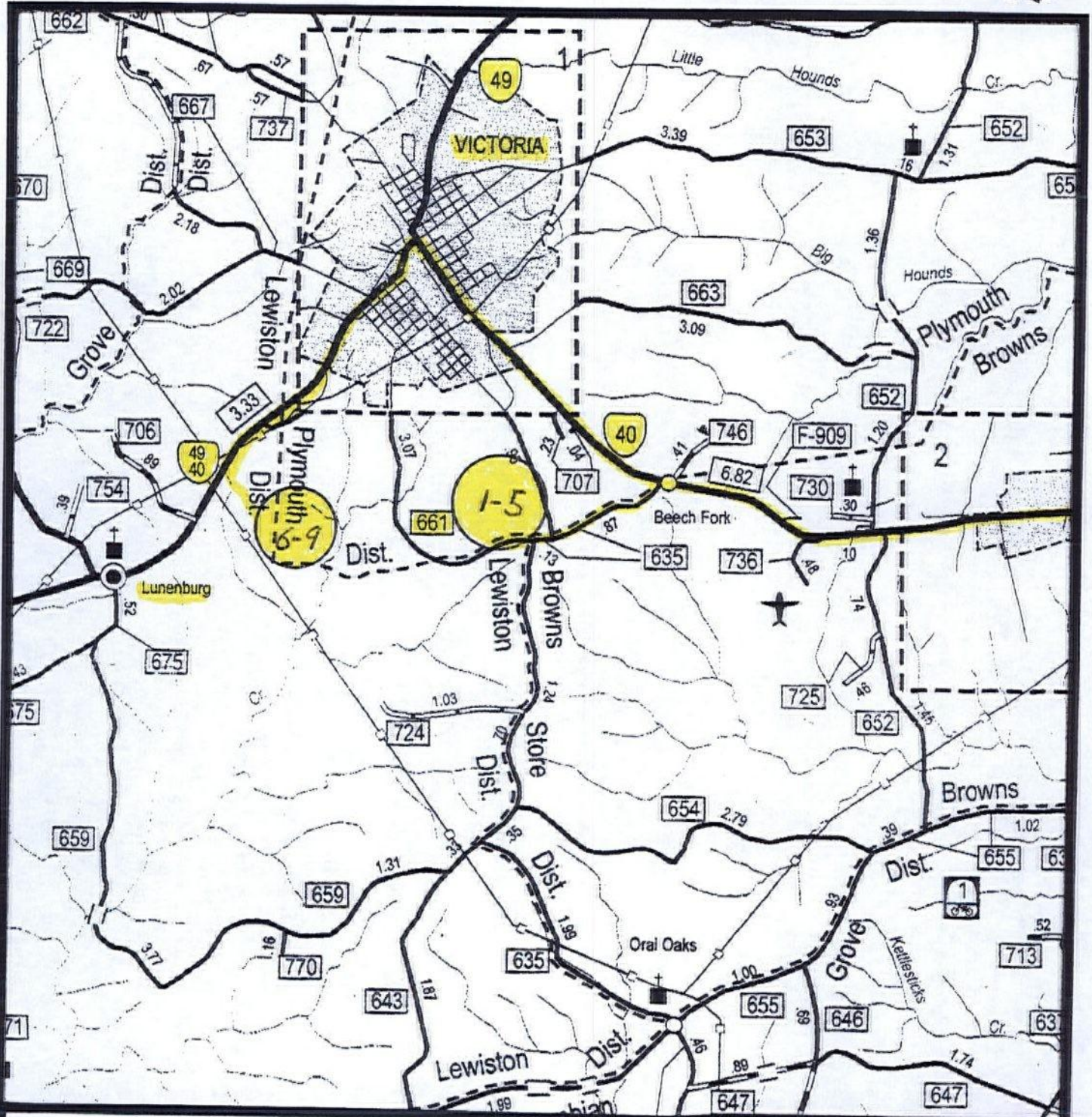
VICINITY MAP



Recyc SystemsTM

Inc.

(Biosolids Land Application)



Scale: 1 inch = 1 mile

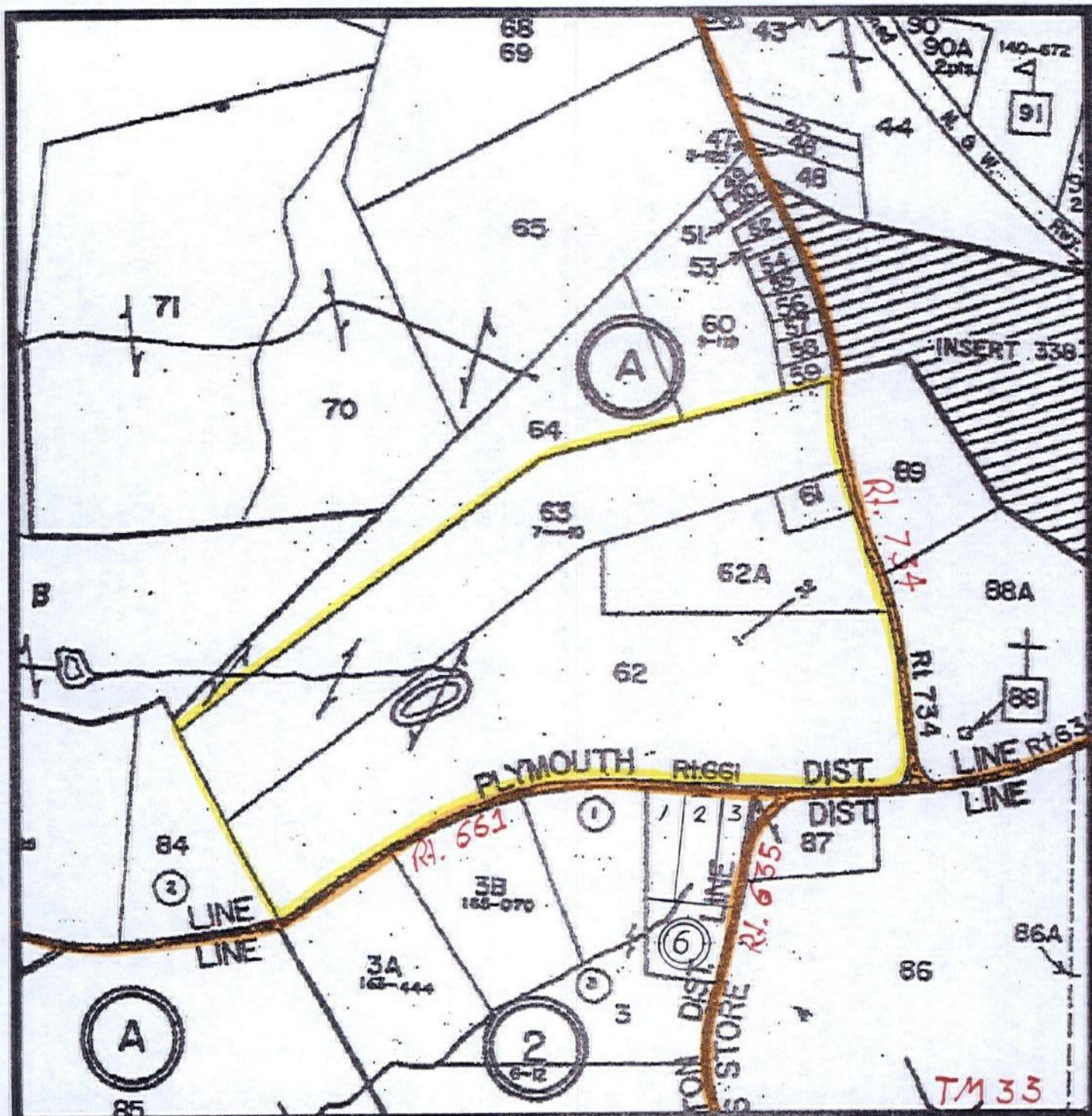
LUEMH 1-9

VICINITY MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)

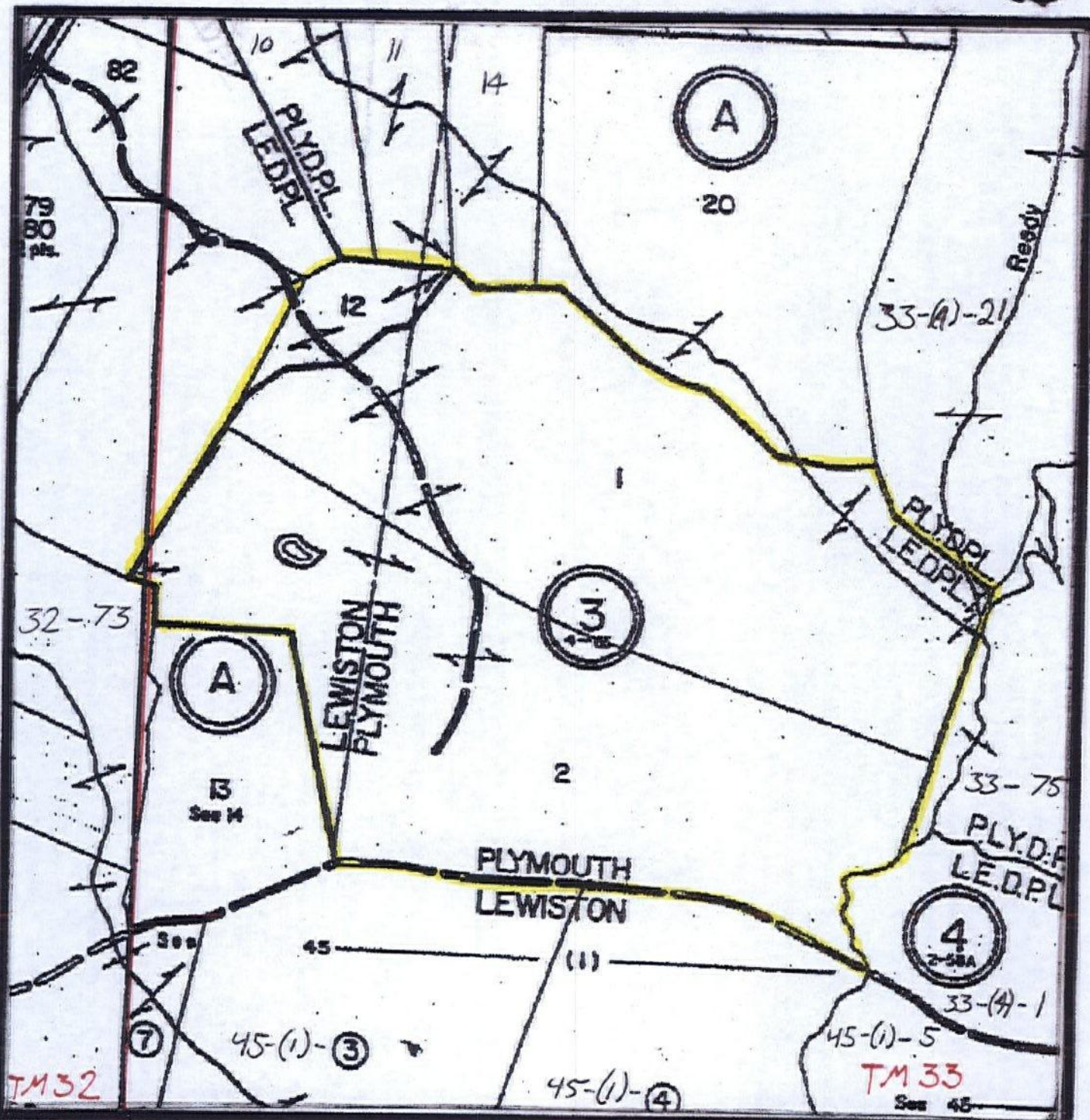


Scale: 1 inch = 660 feet

LUEMH 1-5

TAX MAP





Scale: 1 inch = 660 feet

LUEMH 6-9

TAX MAP



ADJOINING LANDOWNERS

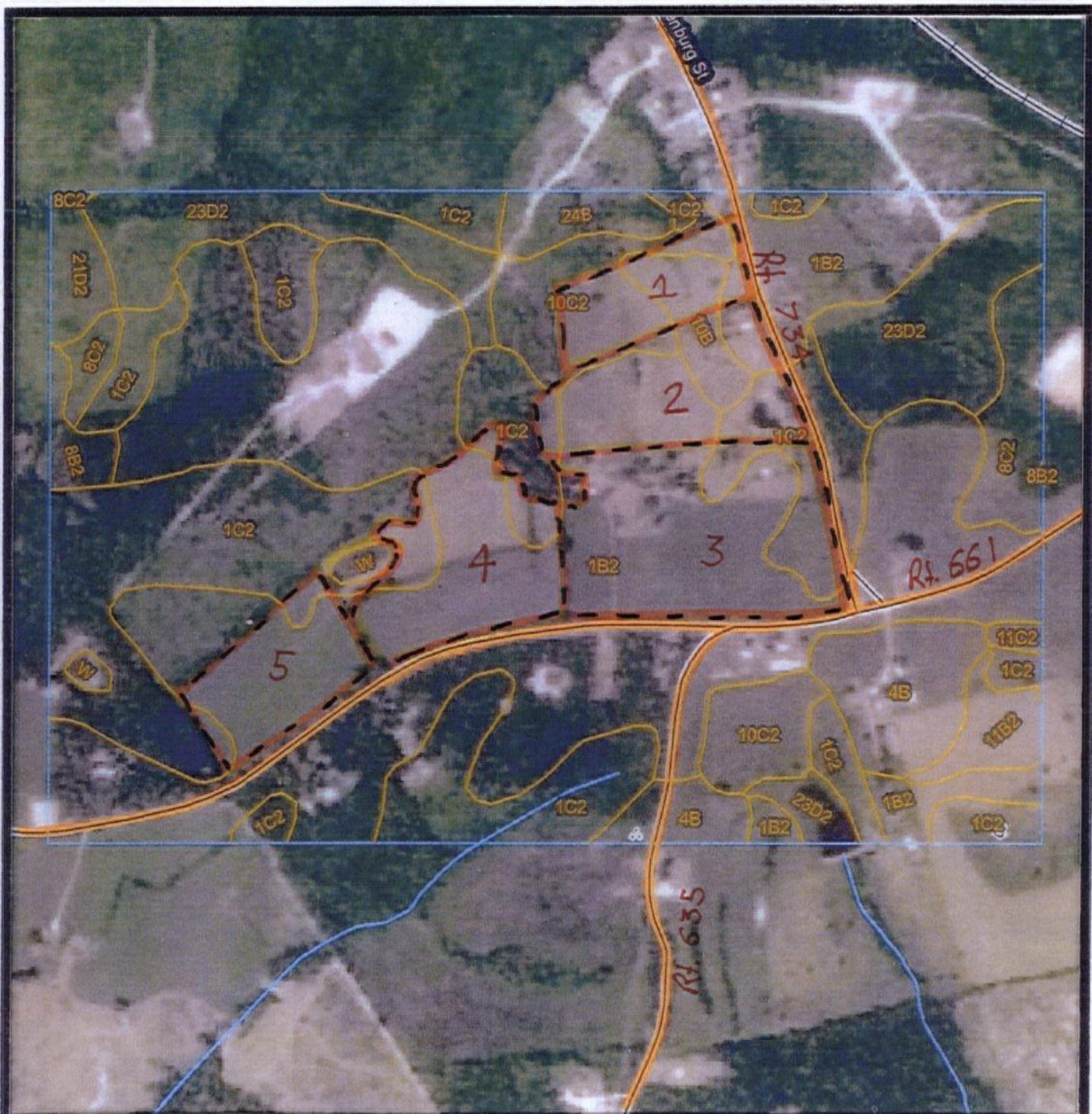
Eugene M Hart Jr.

LUNENBURG COUNTY

Tax Map	Parcel #	Owner Name(s)
32	(A) 73	Margaret W. Humblock
32	(A) 79	H.H. Jenkins c/o Maria Liggins
32	(A) 82	Richard T or Mindy JHite
33	(A) 10	David H Dalton
33	(A) 11	David H or Ann S Dalton
33	(A) 12	E J Hubble Estate
33	(A) 13	Thomas Cole Wright III
33	(A) 14	Claude Jr. Billbo Virginia R. L. Lina C. Gorr Peggy S Thorns Thornton
33	(A) 20	Stephen Epps Estate c/o Virginia Crowder
33	(A) 21	Roderick Lee or Jessica Pears Pearson
33	(A) 59	Sarah Jefferson
33	(A) 60	Mark or Connie Reese
33	(A) 61	Eugene M Hart Jr.
33	(A) 62	Eugene M Hart Jr.
33	(A) 62A	Eugene M Hart Jr.
33	(A) 63	Eugene M Hart Jr.
33	(A) 64	Donald Green
33	(A) 75	Larry E Noyes or Francis F Noyes
33	(A) 84	C. A. Arwin
33	(A) 85	James Moses
33	(A) 86	Albert James or Diane Moss
33	(A) 87	J. McGrinis
33	(A) 88A	A.J. or Diane Moss
33	(A) 89	Barbara Reese
33	(2) 3 - 1	Norman Kaim
33	(2) 3A	Timothy Lee or Linda Walker Clark
33	(2) 3B	George L. or Betty B Jones
33	(3) 1	Eugene M Hart Jr.
33	(3) 2	E J & Ernest J Jr. Hubble Estate

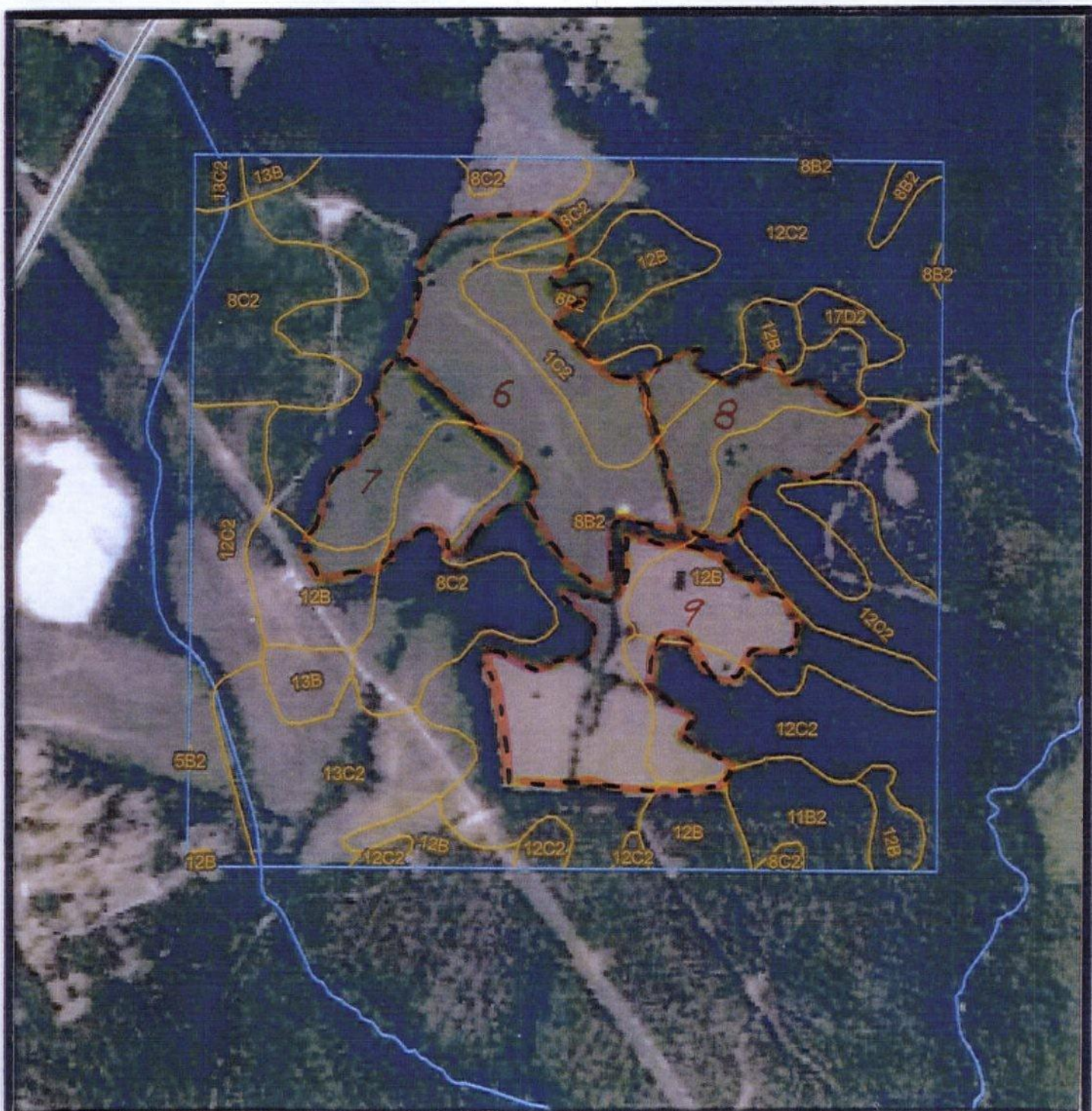
		Illinois Municipal Retirement Fund c/o Forest Investment Associates	
33	(4) 1	Associates	
33	(5) B	Kevin Wray Cumbea	
33	(6) 1	Lisa Newcomb	
33	(6) 2	Lisa Newcomb	
33	(6) 3	Douglas T. or Katherine H.M.M.Mahan	
33	(6) 3 - 59	Sunrise Acres SD	
45	(1) 3	Illinois Municipal Retirement Fund c/o Forest Investment Associates	Associates
		Illinois Municipal Retirement Fund c/o Forest Investment Associates	
45	(1) 4	Associates	
45	(1) 5	The Cherry Family Limited Partnership c/o Caroline T. Cherry	

(Biosolids Land Application)



LUEMH 1-5

(Biosolids Land Application)



LUEMH 6-9

Inc.






Scale: 1 inch = 660 feet

LUEMH 6-9

AERIAL MAP

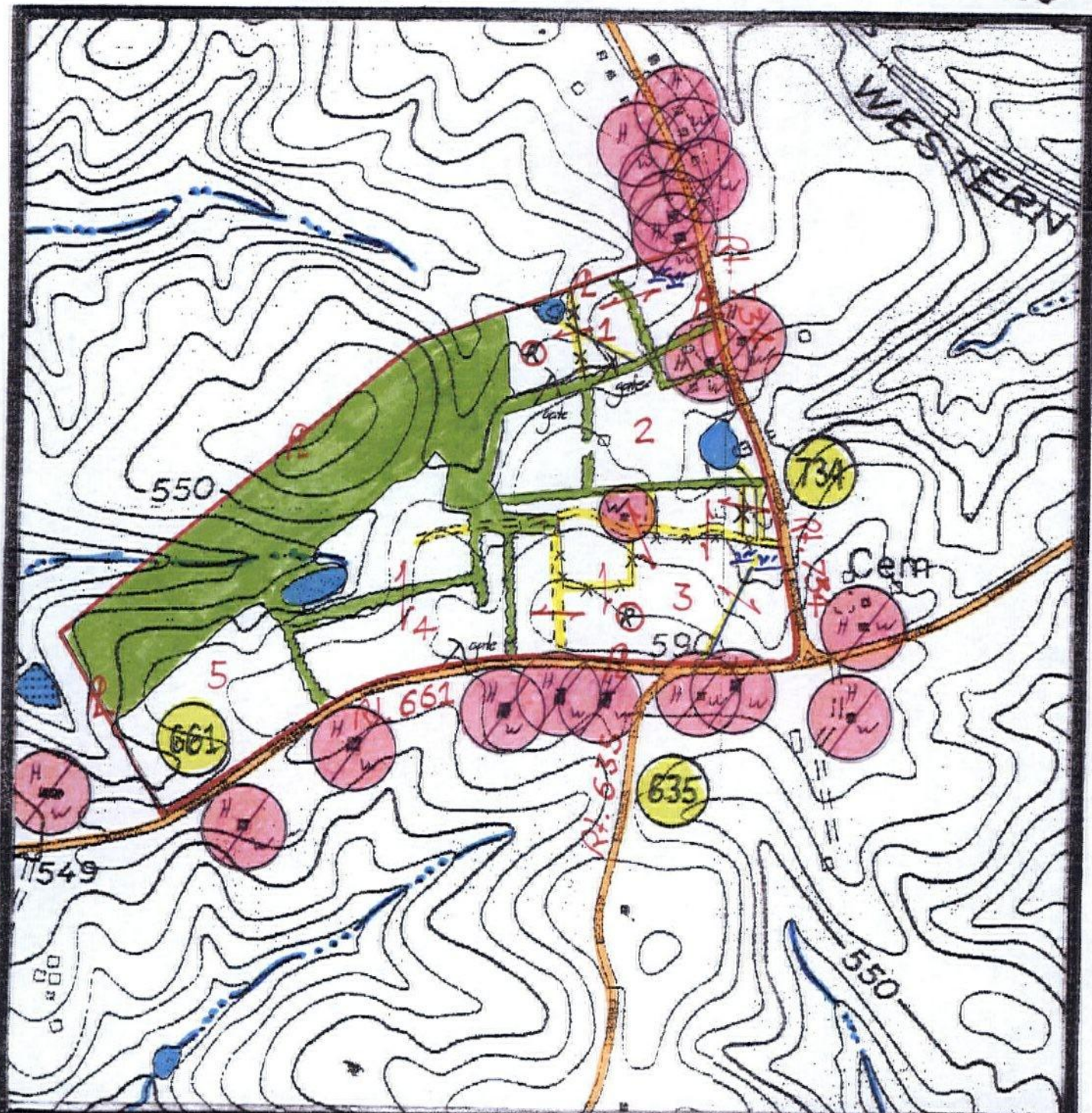


Legend for Site Plan

	House and Well
	Well / Spring
	
	Perennial Streams & Surface
	Wet Spot
	Intermittent Stream / Drainage
	Trees and Woods
	Private Drive
	Rock / Rocky Area
	Sinkhole
	Severely Eroded Spot
	State Road
	Field Boundary / Fence
	
	Slope
	Frequent Flooded Soil

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(Biosolids Land Application)

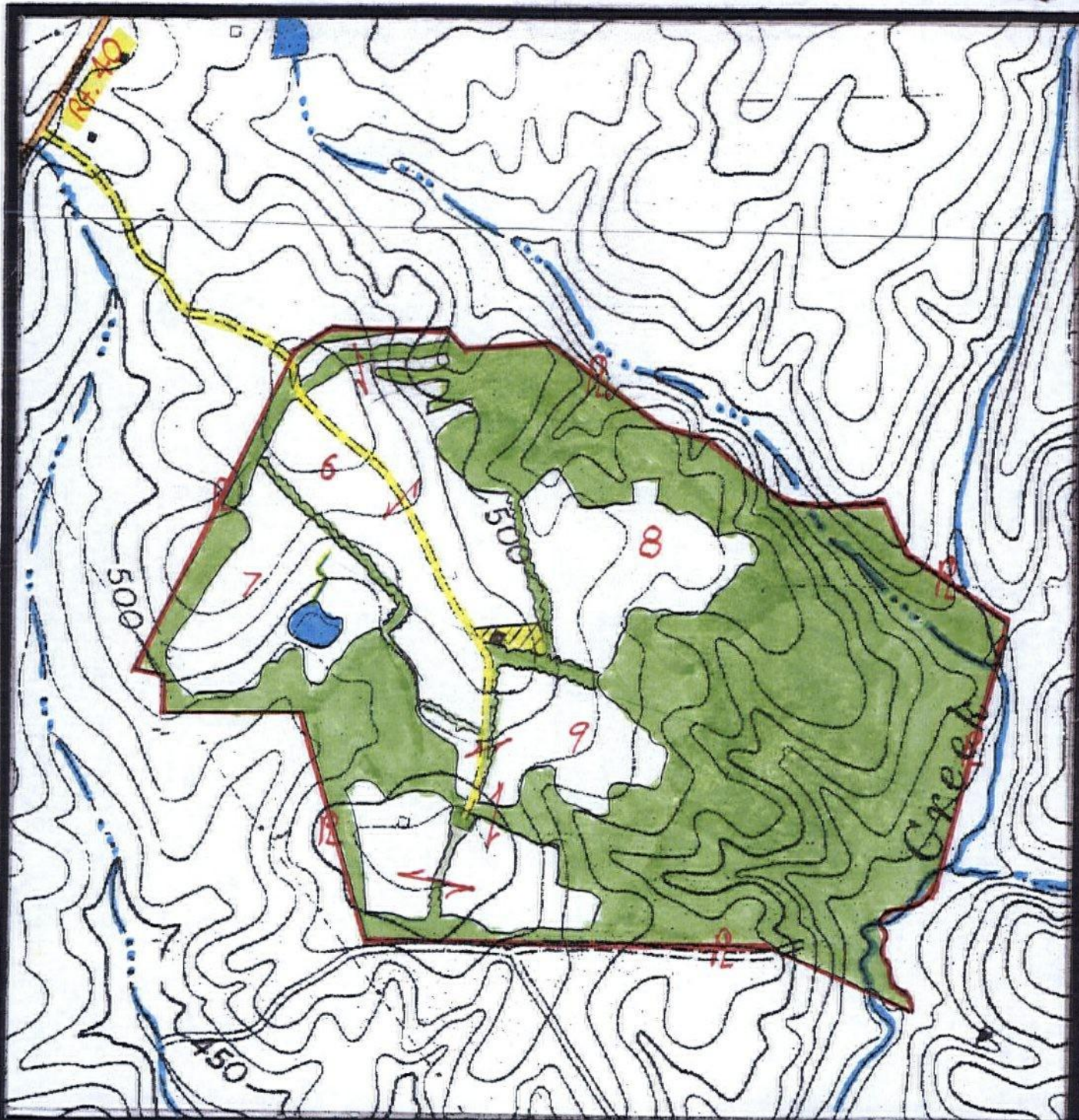


Scale: 1 inch = 660 feet

LUEMH 1-5

SITE PLAN





Scale: 1 inch = 660 feet

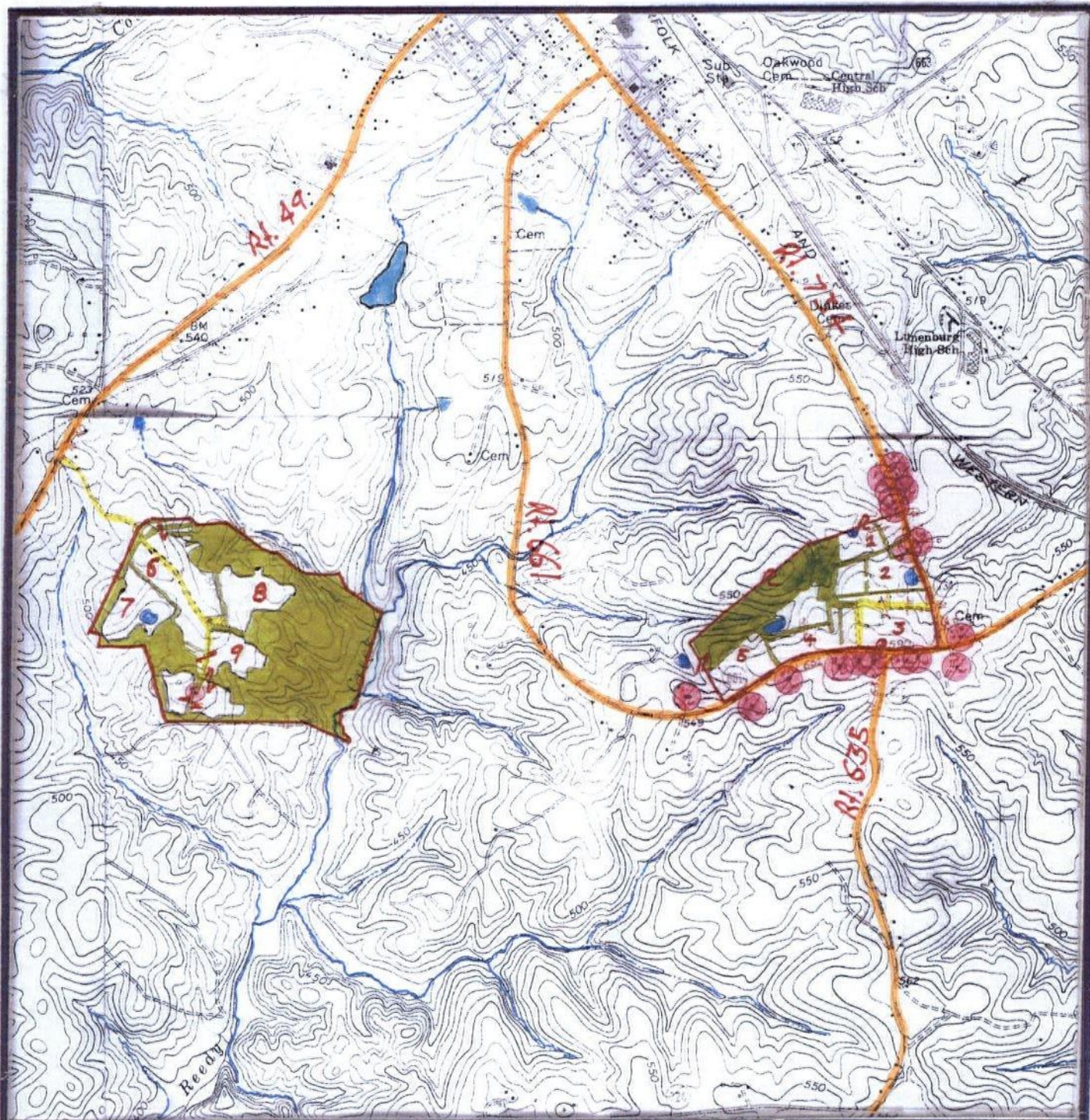
LUEMH 6-9

SITE PLAN



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2,000 feet

LUEMH 1-9

TOPOGRAPHIC MAP

